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Specification and Drawings, as originally filed, with Application for Patent Serial No: **2,456,799,** on January 27, 2004, by **WRAPPED APPS CORPORATION,** assignee of Luc Martin, for "On Demand Provisioning of Web Applications".

Tracy Rollins
Agent certificateur/Certifying Officer

February 22, 2005
Date

Canada

(CIPO 68)
31-03-04

OPIC CIPO

RENTAL CENTER

On-demand web application provisioning solution.

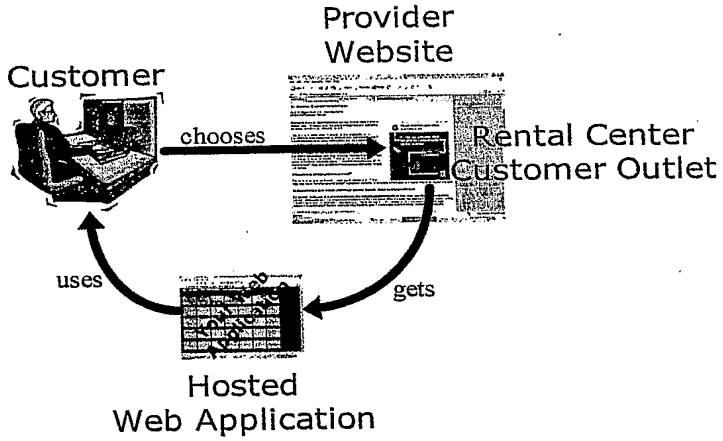
Product Description

Renting Applications Over The Web

In today's market, acquiring applications is a formidable task for any organization. There are so many considerations leading up to the purchase decision and then they are still left with the fear of it actually working. The commitment required is tremendous. The installation, integration, maintenance, and support requirements are extensive and very costly. It is estimated that, today, up to 80% of IT resources are required simply to keep systems running. It's no wonder that companies want simpler ways to acquire applications. Many are looking to outsourcing and on-demand technologies. Ideally, it should be possible to use an application whenever the need arises, without becoming preoccupied with technical considerations and risking many dollars on a "potential" solution, and to pay only for what is used. An individual or company should be able to rent access to an application from a service provider. The service provider will supply, at a competitive price, access to a fully functioning copy of an application.

The Rental Center Solution

Wrapped Apps Rental Center rents web applications to customers over the web. It enables applications on-demand. Rental Center is an application that provisions applications from the datacenter to the client. It is accessible via a simple web site through the Rental Center's Customer Outlet. The Customer Outlet can provide access to one, or, act as a library of hosted web applications. It is a self serve center for clients looking to procure applications. A client accesses the web site which is offering a particular service(s) and utilizes the Rental Center's Customer Outlet to allow him to select the product(s) he desires. The application is immediately obtained, on-demand, and is ready for use. The application is hosted, completely functional and it is the clients own copy. The client can immediately start utilizing the application without having to worry about all of the problems normally associated with installing an application. The Customer Outlet offers all of the services the client will require, such as, application configuration, renewal of terms, access to the application, and can even pay online for the application.



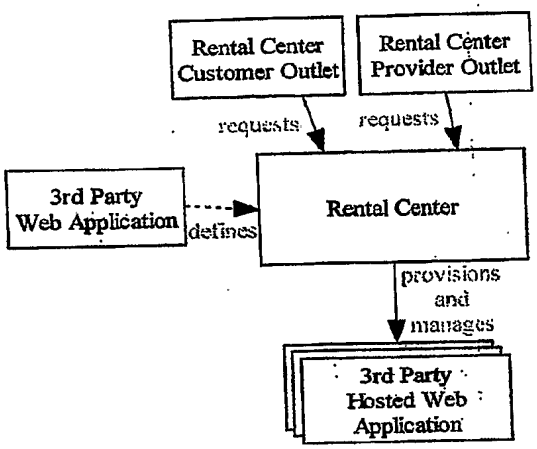
The Benefits of Rental Center for Web Application Developers

Web application developers can greatly benefit from Rental Center. Currently, each of the application developers clients purchase an application and must then undergo complex procedures, long and expensive installation, integration and maintenance of this application. Nevertheless, the client wants the functionality of the application as simply as possible, as quickly as possible, and at the lowest possible cost. Instead of selling a web application to clients and letting them confront a large number of technical considerations, it is possible to rent to clients the same application completely functional and to charge them accordingly. Rental Center allows the web application developer to rent on-demand his web applications to his clients. Rental Center permits web application developers to access a growing market of on-demand applications. It is important to note the web application developer or all other service providers can deploy Rental Center and the application from a datacenter and offer it as a service.

Leverage Your Existing Web Applications With Rental Center

With Rental Center it is not necessary to develop a new application. It is also not necessary to modify an existing application. Rental Center functions with the majority of existing web applications. Integration with Rental Center is simple. With Rental Center an application developer can open a completely new distribution channel for his products without cannibalizing existing sales. Why not offer your application on-demand today?

Product Architecture and Components



Rental Center at Work

The Rental Center offers web applications for rent. Upon demand for rental of an application, the Rental Center takes the original web application, provided by a 3rd party developer, and installs and maintains the application on a hosted web server. Each client obtains their own hosted copy of the application for their exclusive use.

The requests for rental will come principally from two sources: the Customer Outlet and the Provider Outlet. The Customer Outlet is a web application which serves as a user interface between the client who wishes to rent an application and the Rental Center. Likewise, the Provider Outlet is also a web application serving as a user interface, but this is utilized by the service provider who is offering the Rental Center and wants to supervise and control the activities of the Rental Center.

Rental Center

Main engine that provisions and manages hosted copies of third party web applications for the rental duration.

Web application provisioning
- On-demand provisioning
- Provisions a complete hosted copy of the original web application per customer
- Complete automated life cycle management of each hosted web application
- Advanced features like cloning, suspending/resuming, removing

Hosted web application configuration
- Online automated configuration of each hosted web application
- Configuration anytime during hosted web application life cycle

Definition of rental terms
- Support multiple web applications for rent
- Pre-configuration of configuration and user data
- Configuration of rental and renewal terms

Rental and renewal terms
- Supports flexible term duration
- Can limit access to a maximum number of hits or a maximum number of concurrent users
- Supports archiving period after the terms have expired

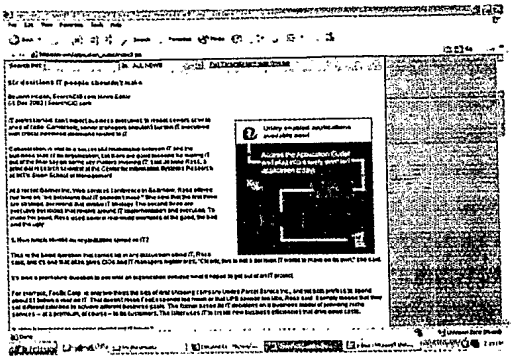
Hosted copies versioning
- Independent version support per hosted copy of web applications
- Automated major upgrades on-demand per hosted copy of web applications
- Automated minor upgrades per hosted copy of web applications

Always Live session management
- 100% uptime during hosted web application configuration
- 100% uptime during a minor upgrade of a hosted web application
- 100% uptime on most other hosted web application alterations

Access to the hosted web application's data
- On-the-fly access to the user data
- On-the-fly access to the configuration data

Connectivity
- Supports Web Services and RMI remote invocation of functionalities

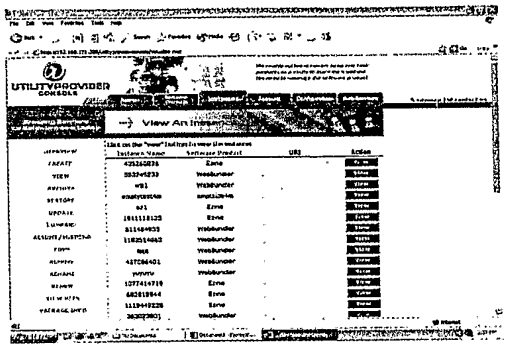
Business transactions
- Records all rental and renewing agreements
- Automated agreement enforcement



Customer Outlet

Self-serve web application where customers can rent a web application.

- Can be inserted in any web application developer and/or partner web site and/or service provider..
- Displays available products for rent.
- Offers accounts to customers where their personal information is accessible.
- Displays rental and renewal information.
- Optionally offers e-commerce transactions.
- Enables the online configuration of the rented application.
- Supports the upload and download of configuration and user data of a rented application.
- Display independent version upgrade controls of a rented application.
- Possible to brand and customize to site.



Provider Outlet

Self-serve web application where the service provider can monitor and control the activities on the Rental Center.

- Can configure new web applications for rent.
- Can configure the renting terms for each web application.
- Can monitor all rented web applications.
- Can manually control any existing rented web Applications.
- Have access to logging information of the Rental Center.
- Have access to configuration parameters of the Rental Center.

3rd Party Web Application

This web application is the template application from which rented application will be copied.

- Original, unmodified web application from third party web application developer.
- Uncoupled from renting deployment mechanism.
- Can be prepackaged differently for different markets.

3rd Party Hosted Web Applications

These are each copies of the original 3rd party web application rented to customers.

- Live for the duration of their rental terms.
- Their life cycle are managed by the Rental Center.
- Each rented copy runs natively, in its own sandbox.

Where Does Rental Center Fit Within The Utility Computing Landscape?

The Rental Center Solution begins where the Utility Computing Solution currently ends. Today, Utility Computing is automating the datacenter allowing administrators much greater efficiency, reliability, and flexibility. The Utility Computing world would love to add on-demand applications to their portfolio of offerings but until now there has been no easy way to offer this solution. The Rental Center bridges the gap between the datacenter and the client. The Rental Center provisions hosted applications to clients on a rental model:

salesforce.com
Success. Not Software.

Salesforce.com® is the prime example of an application available as a utility. Their caption "success, not software" says it all. They allow clients to simply use the application rather than having to worry about all the peripherals and installation required when purchasing software the traditional way. Salesforce.com® removed the barriers to entry for the client. There is nothing to install and minimal training required. The application is delivered via a simple website. At Wrapped Apps™ our goal is to see the majority of enterprise applications delivered as a utility. The Wrapped Apps™ technology is easy to integrate and allows you to offer your applications like Salesforce.com®.

Wrapped Apps™ Corporation has no affiliation with Salesforce.com. This example is to demonstrate the utility model only.

Product Requirements

Rental Center	**Rental Center - Customer Outlet**	**Rental Center - Provider Outlet**	**Third Party Web Application**
Server - J2EE server-side technology (compatible with Caucho Resin 2.1.2) - Linux	Server - Any web server or application server Client - Browsers : Internet Explorer 4.x +, Netscape 6.x +, or compatible	Server - J2EE application server (compatible with Caucho Resin 2.1.2) Client - Browsers : Internet Explorer 4.x +, Netscape 4.x +, or compatible	Server - J2EE application server (compatible with Caucho Resin 2.1.2) - Must be a three tier web application - SQL database (compatible with MySQL 3.23.53) Client - Any web-based technology: HTML, Flash, plugins, Java applets, ...

Wrapped Apps Corporation develops leading-edge products which permits to provide on-demand to web users their own hosted applications.

For more information and pricing visit
http://www.wrappedapps.com
or call 1-877-388-6742 or 1-613-591-7552.

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